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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/045,208	10/23/2001	Koby Finkelstein	ZRI-032	ZRI-032 2268	
1473	7590 10/05/2004		EXAMINER		
FISH & NE	AVE	TRAN, THANG V			
1251 AVENT 50TH FLOO	UE OF THE AMERICA R	ART UNIT	PAPER NUMBER		
NEW YORK, NY 10020-1105			2653		
			DATE MAILED: 10/05/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	n No.	Applicant(s)	·		
Office Action Summary		10/045,20	8	FINKELSTEIN ET AL.			
		Examiner		Art Unit			
	·	Thang V. 1	ran	2653			
Period fo	The MAILING DATE of this communications reply	on appears on the	cover sheet with the c	orrespondence a	ddress		
THE I - Exter after - If the - If NO - Failur Any r	ORTENED STATUTORY PERIOD FOR R MAILING DATE OF THIS COMMUNICATI sions of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communicatic period for reply specified above is less than thirty (30) days period for reply is specified above, the maximum statutory i re to reply within the set or extended period for reply will, by pely received by the Office later than three months after the ad patent term adjustment. See 37 CFR 1.704(b).	ION. CFR 1.136(a). In no eve on. In a reply within the statuperiod will apply and will statute, cause the apple.	nt, however, may a reply be tim tory minimum of thirty (30) day: I expire SIX (6) MONTHS from cation to become ABANDONE	nely filed s will be considered time the mailing date of this D (35 U.S.C. § 133).			
Status							
1)□	Responsive to communication(s) filed on	·	,				
2a) <u></u>	This action is FINAL . 2b)⊠	This action is no	on-final.	,			
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
5)⊠ 6)⊠ 7)⊠	Claim(s) 1-38 is/are pending in the applic 4a) Of the above claim(s) is/are wit Claim(s) 31-38 is/are allowed. Claim(s) 1-4,10-14 and 21-24 is/are reject Claim(s) 5-9,15-20 and 25-30 is/are object Claim(s) are subject to restriction a	thdrawn from cor sted. cted to.					
_ Applicati	on Papers						
9)[The specification is objected to by the Exa	aminer.			•		
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any objection t	• ,	•	` .			
11)	Replacement drawing sheet(s) including the c The oath or declaration is objected to by the						
Priority u	ınder 35 U.S.C. § 119			•			
a)[Acknowledgment is made of a claim for fo All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International Beet the attached detailed Office action for	ments have been ments have been priority docume sureau (PCT Rule	n received. n received in Application nts have been received 17.2(a)).	on No ed in this Nationa	l Stage		
Attachmen	t(s)						
	e of References Cited (PTO-892)		4) Interview Summary				
3) M Inform	e of Draftsperson's Patent Drawing Review (PTO-94 nation Disclosure Statement(s) (PTO-1449 or PTO/Sr No(s)/Mail Date		Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		O-152)		

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on

sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4, 10-14, 21-25 are rejected under 35 U.S.C. 102(e) as being anticipated by

Alon. (US 5,959,953).

Alon, according to Figs. 1-8, shows an optical pickup comprising all features of the

instant claimed invention as interpreted below.

Regarding claims 1 and 11, see Fig. 2 which shows a reproducing apparatus for

simultaneously reading multiple adjacent tracks of an optical disk comprising: a device (laser

diode and grating in pickup 32) for generating a plurality of reading beams (see beams 80-86) in

Figs. 6A-6C) including a center beam (80); an optical system (32) disposed in a path of the

plurality of reading beams for directing the plurality of reading beams onto a surface of the

optical disk; a plurality of split photodetector elements (see elements 50-56 in Fig. 3A, 3B or 3C)

including a center element (50) and a plurality of side elements, the center element generating an

output signal corresponding to the center beam, at least one of the plurality of side elements

generating an output signal for a corresponding one of the plurality of reading beams (see Fig. 4)

; and a cross-talk cancellation apparatus (33) that reduces cross-talk and jitter (see Figs. 7 or 8 for

the details of the cancellation 33), as recited in apparatus claim 1 and corresponding functional

method claim 11.

Regarding claims 2 and 12, see detector 50 in Fig. 3A, 3B or 3C.

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Regarding claims 3 and 13, see detectors 51, 52, 55 and 56 in Fig. 3A, 3B or 3C.

Regarding claims 4 and 14, see column 7, line 56 to column 8, line 8.

Regarding claim 10, see pickup (32) incorporated into a disk drive as shown in Fig. 3

Regarding claim 21, see Fig. 3A-3C which show a detector for a multi-beam optical disk system, the detector comprising a plurality of split photodetector elements (50-56) including a center detector element(50) and a plurality of side elements (51-56), at least two of the side elements (55 and 56) divided into a first and a second photodetector segment, and the split photodetector elements used to reduce cross-talk in the multi-beam optical disk by circuit shown in Fig. 7 or 8.

Regarding claim 22, see detector 50 in Fig. 3A, 3B or 3C.

Regarding claim 23, see detectors 51, 52, 55 and 56 in Fig. 3A, 3B or 3C.

Regarding claim 24, see column 7, line 56 to column 8, line 8.

Regarding claim 25, see pickup (32) incorporated into a disk drive as shown in Fig. 3

Allowable Subject Matter

- 3. Claims 5-9, 15-20 and 25-30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. Claims 31-38 are allowed.
- 5. Claims 5-9, 15-20 and 25-38 are allowable over the prior art of record because the prior art of record, considered in combination or individually, fails to suggest or fairly teach an apparatus or method for simultaneously reading multiple adjacent tracks of an optical disk

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including a combination of all limitations as particularly recited in each of claims 5, 15, 25 and

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31. Claims 6-9, 16-20, 26-30 and 32-38 are allowable with their respective parent claim.

Cited references

6. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure. The cited references relate to an optical reading device, which is for simultaneously

reading a plurality of adjacent tracks of an optical disk, having a correction circuit for

correcting cross-talk and jitter caused by a track offset of the optical disk.

7. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Thang V. Tran whose telephone number is (703) 308-1551. The

examiner can normally be reached on M-F 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, William Korzuch can be reached on 703 305-6137. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hang v. Iran

Primary Examiner

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